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- (71) Applicant (for all designated States except US): TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-164 83 Stockholm (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SALMELA, Patrik [FI/FI]; Hevoshaka 21, FIN-02410 Kirkkonummi (FI). WALL, Jorma [FI/FI]; Pisamäki 1 A 2, FIN-02280 Espoo (FI). JOKELA, Petri [FI/FI]; Säterinkatu 7 A 1, FIN-02600 Espoo (FI).
- (74) Agents: BREWER, Michael, Robert et al.; Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford Oxfordshire OX4 2RU (GB).

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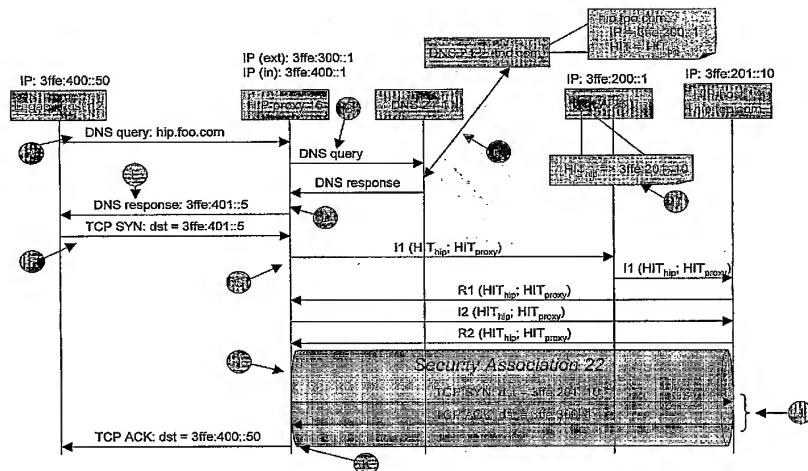
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- (54) Title: ADDRESSING METHOD AND METHOD AND APPARATUS FOR ESTABLISHING HOST IDENTITY PROTOCOL (HIP) CONNECTIONS BETWEEN LEGACY AND HIP NODES



- (57) **Abstract:** A method is provided of at least partially securing communications, via a HIP proxy (16), between a first host (12) which is not HIP enabled and a second host (14) which is HIP enabled, the method comprising: sending (A) a query from the first host (12) to resolve the IP address of the second host (14); in response to said query, retrieving (B, C) an EP address (IP_{fa}) and (HIT_{hip}) associated with the second host (14), returning (E) to the proxy (16) a substitute IP address (IP_{res}) associated with the second host (14), and maintaining (D) at the proxy (16) a mapping between the substitute IP address (IP_{res}), the retrieved IP address (IP_{fa}) and the retrieved HIT (HIT_{hip}); and upon receipt (F) of a session initiation message (TCP SYN) at the proxy (16) from the first host (12) including as its destination address the, substitute IP address (IPres), using the mapping to negotiate a secure HIP, connection (22) between the proxy (16) and the second host (14).

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